<u>Inventors</u>:Buehler et al. <u>Title</u>: "Method and System for Tracking and Behavioral Monitoring of Multiple Objects Moving Through Multiple Fields-of-View" <u>Serial No.</u>: To Be Assigned <u>Filed</u>: Herewith <u>Docket No.</u>:ITV-001 <u>Attorney</u>: Edward A. Gordon, Esq. (Reg. No. 54,130) <u>Tel. No.</u>: (617) 310-8619 Page 1 of 17 (2708064) <u>Express Mail Mailing Label No.</u> EV174099932US

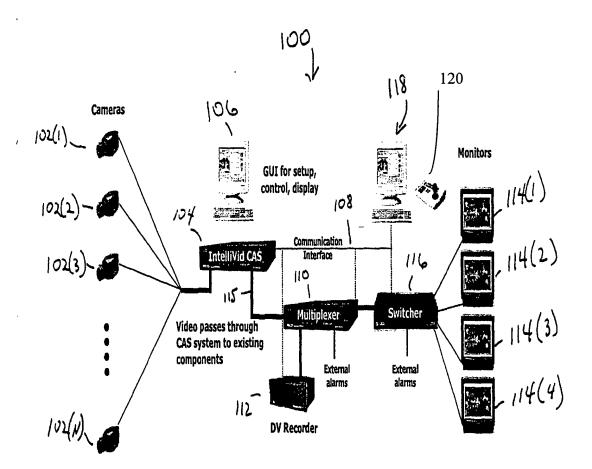


Fig. 1

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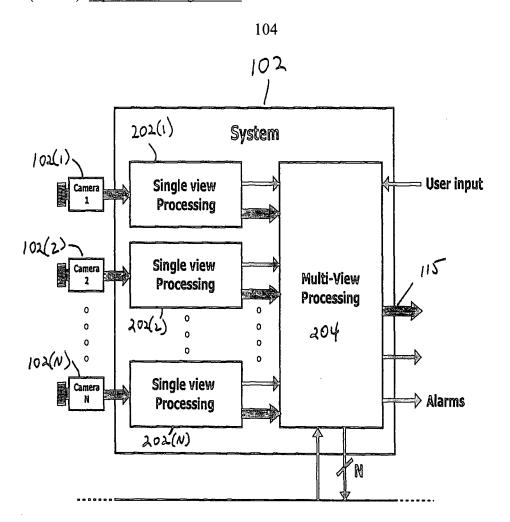


Fig. 2

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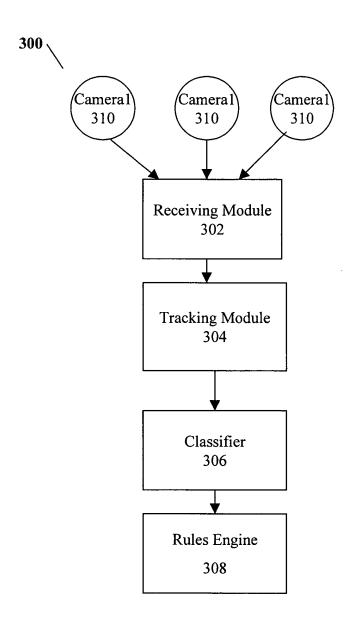


Fig. 3

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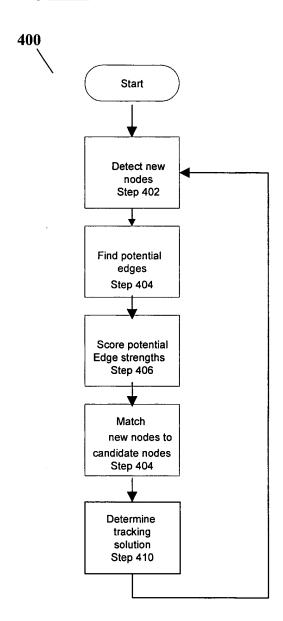


Fig. 4

Inventors: Buehler et al. <u>Title</u>: "Method and System for Tracking and Behavioral Monitoring of Multiple Objects Moving Through Multiple Fields-of-View" <u>Serial No.</u>: To Be Assigned <u>Filed</u>: Herewith <u>Docket No.</u>:ITV-001 <u>Attorney</u>: Edward A. Gordon, Esq. (Reg. No. 54,130) <u>Tel. No.</u>: (617) 310-8619 Page 5 of 17 (2708064) <u>Express Mail Mailing Label No.</u> EV174099932US

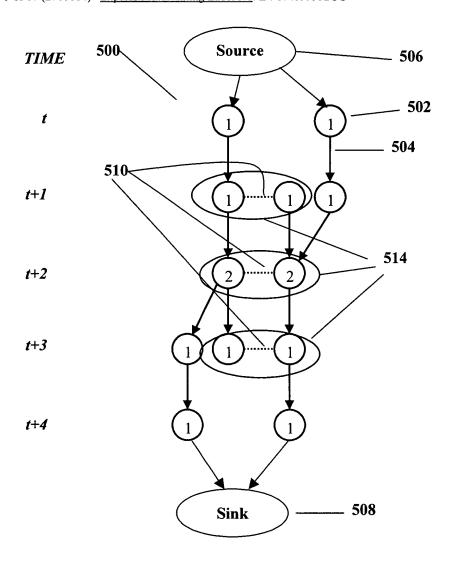
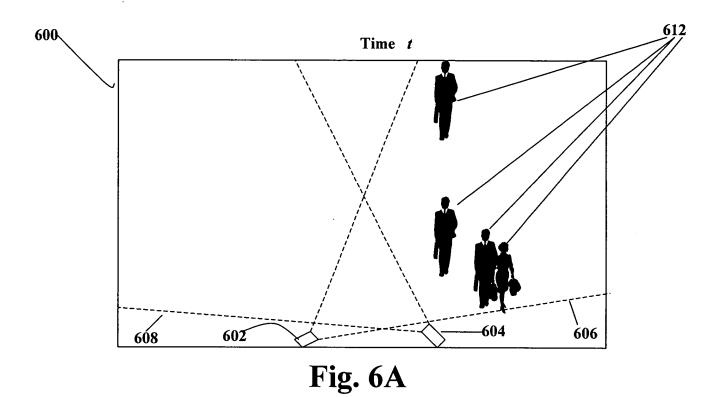


Fig. 5

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Time t+1

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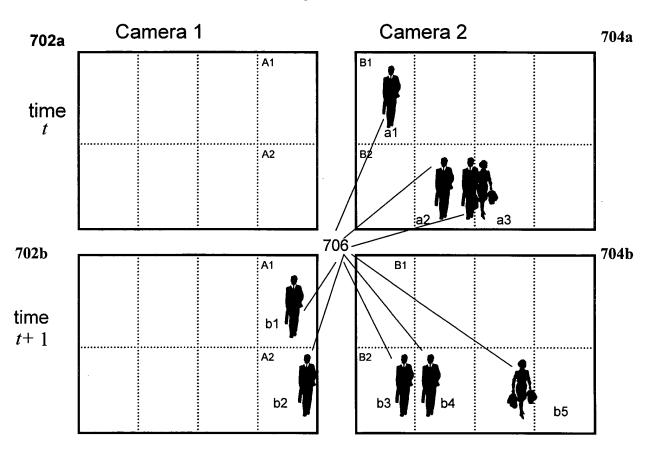
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604 606

Fig. 6B

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Fig. 7A



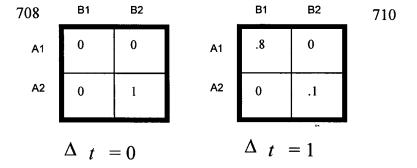
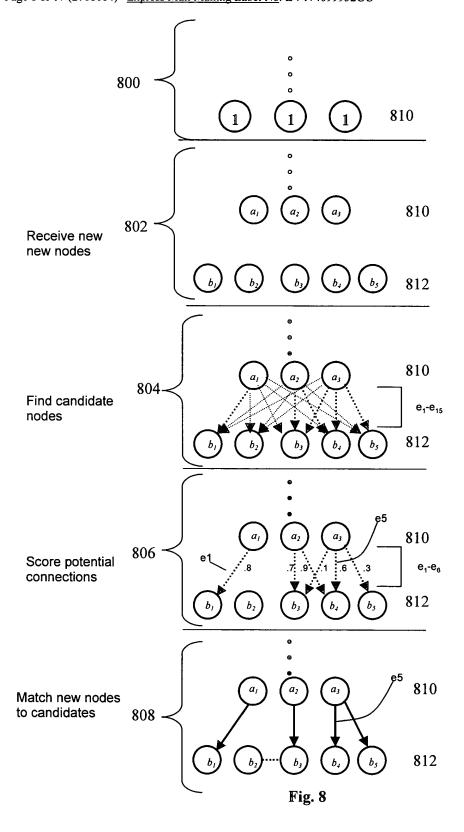


Fig. 7B

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Inventors: Buehler et al. <u>Title</u>: "Method and System for Tracking and Behavioral Monitoring of Multiple Objects Moving Through Multiple Fields-of-View" <u>Serial No.</u>: To Be Assigned <u>Filed</u>: Herewith <u>Docket No.</u>:ITV-001 <u>Attorney</u>: Edward A. Gordon, Esq. (Reg. No. 54,130) <u>Tel. No.</u>: (617) 310-8619 Page 9 of 17 (2708064) <u>Express Mail Mailing Label No</u>. EV174099932US

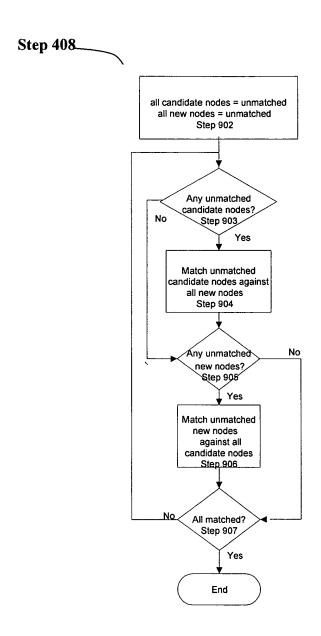
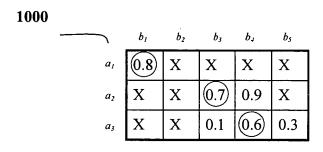
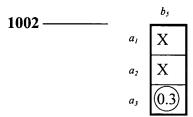


Fig. 9

Inventors: Buehler et al. <u>Title</u>: "Method and System for Tracking and Behavioral Monitoring of Multiple Objects Moving Through Multiple Fields-of-View" <u>Serial No</u>.: To Be Assigned <u>Filed</u>: Herewith <u>Docket No</u>.:ITV-001 <u>Attorney</u>: Edward A. Gordon, Esq. (Reg. No. 54,130) <u>Tel. No</u>.: (617) 310-8619 Page 10 of 17 (2708064) <u>Express Mail Mailing Label No</u>. EV174099932US



**Fig. 10A** 



**Fig. 10B** 

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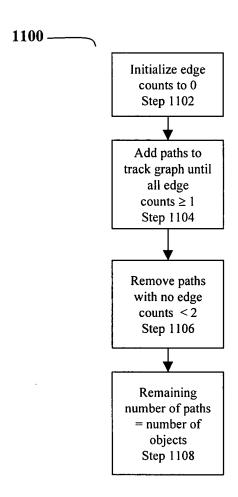


Fig. 11

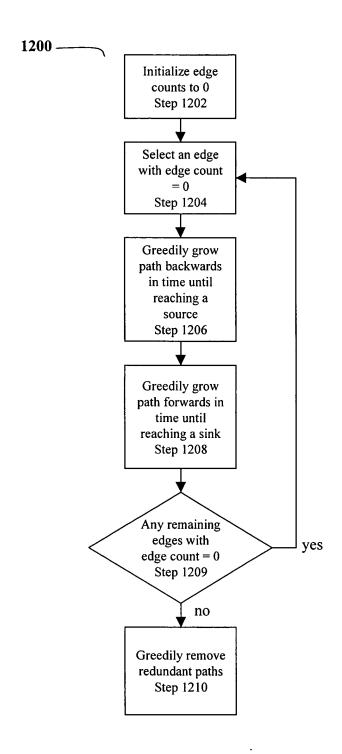


Fig. 12

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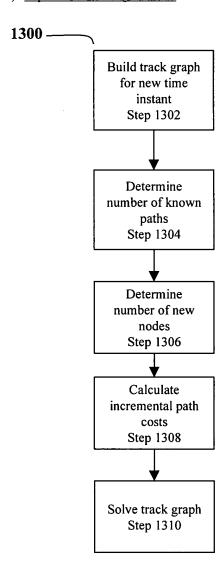


Fig. 13

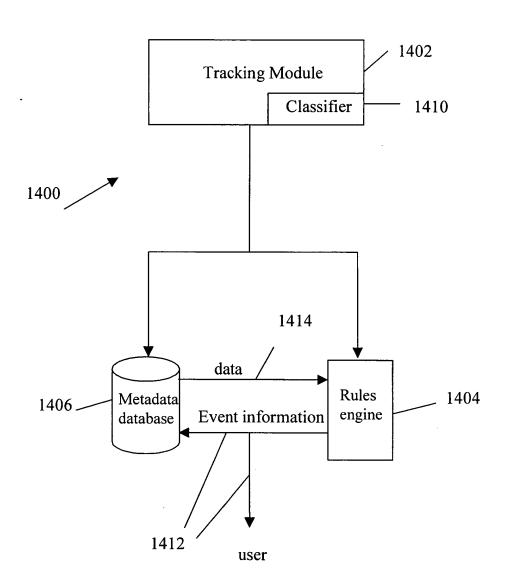


Fig. 14

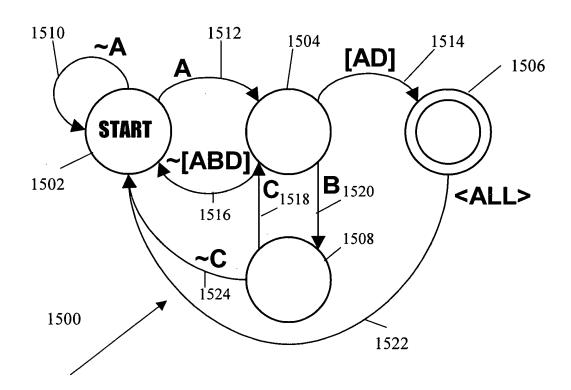


Fig. 15

Inventors: Buehler et al. <u>Title</u>: "Method and System for Tracking and Behavioral Monitoring of Multiple Objects Moving Through Multiple Fields-of-View" <u>Serial No</u>.: To Be Assigned <u>Filed</u>: Herewith <u>Docket No</u>.:ITV-001 <u>Attorney</u>: Edward A. Gordon, Esq. (Reg. No. 54,130) <u>Tel. No</u>.: (617) 310-8619 Page 16 of 17 (2708064) <u>Express Mail Mailing Label No</u>. EV174099932US

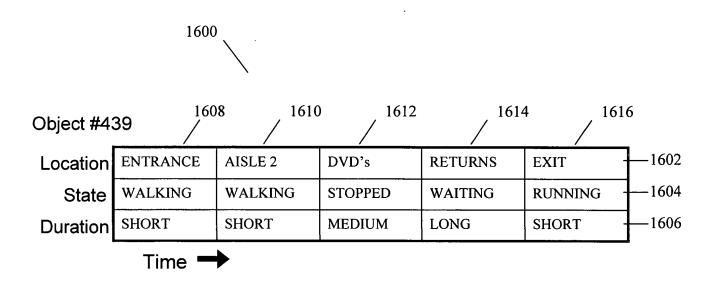


Figure 16

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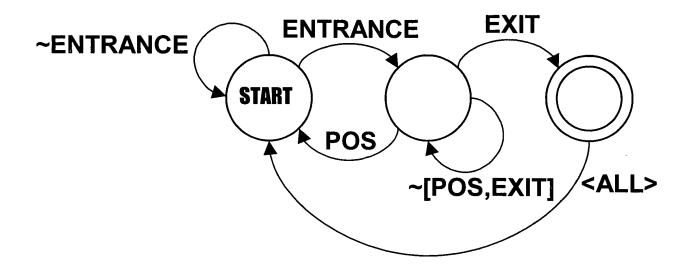


Fig. 17